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FANTASTYC: TRUSTABLE & SCALABLE BLOCKCHAIN-BASED FEDERATED LEARNING

Fantastyc leverages blockchain technology to democratize federated learning, making it auditable, robust, and decentralized. With this innovation, AI architects can exploit large volumes of data for efficient learning, while users value their private data without exposing it.



STAKES

- Protect against Byzantine attacks, e.g. malicious users poisoning AI models
- Incentivize participation
- High performance while accomodating a large number of users
- Higher privacy than conventional federative learning
- AI learning traceability



APPLICATIONS AND PERSPECTIVES

- **Web 3 Ready:** decentralization of AI-based applications
- Deployable on private or public networks
- Open projects, gamification
- Open to new decentralized collaboration models



ASSETS AND INNOVATIONS

- Open-source & configurable platform
- Verified & low-energy blockchain
- Library of learning algorithms robust to attacks
- Mechanism to protect users' privacy without heavy cryptography
- Sample learning tasks

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